

IFW

MAILING CERTIFICATE

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Oct. 18 2004
Date

by Kay Bulen
Signature

Kay Bulen
Printed Name

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Klaus Früh
Serial No.: 10/624,727
Filed: July 21, 2003
For: DOWNREGULATION OF CELL SURFACE GLYCOPROTEINS BY A FAMILY OF HUMAN UBIQUITIN LIGASES
Art Unit: 1632
Examiner:
Docket No.: 49321-89
Date: October 18, 2003
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the requirements in 37 C.F.R. § 1.56, and in conformance with 37 C.F.R. 1.97 and 1.98, Applicants hereby submit an Information Disclosure Statement. Applicants respectfully request that the Examiner: (1) consider the following documents during the course of his or her examination of the above-identified patent application, and (2) list the following documents in the References Cited section of any patent that may issue from the above-identified patent application.

The following documents are provided:

Other

Nicholas, J. et al., *J. Virol.* 71:1963-1974, 1997

Coscoy, L., and D. Ganem, *Proc. Natl. Acad. Sci. USA* 97:8051-8056, 2000

Ishido S., et al., *J. Virol.* 74:5300-5309, 2000b

Coscoy, L. et al., *J. Cell. Biol.* 155:1265-1974, 2001a

Boname, J.M. and P. G. Stevenson, *Immunity* 15:627-636, 2001

Coscoy and Ganem, *J. Clin. Invest.* 107:1599-1606, 2001b

Guerin, J. L. et al., *J. Virol.* 76:2912-2923, 2002

Früh et al., *Virus Research* 88:55-69, 2002

McFadden, G. and P.M. Murphy, *Curr. Opin. Microbiol.* 3:371-378, 2000

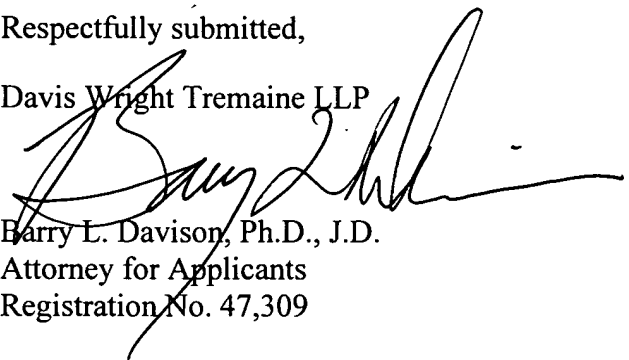
Applicants cite nine references listed on the attached substitute for form PTO-1449. The order of these references should not be construed to suggest their relative pertinence. The Examiner is encouraged to review the entire disclosure of each reference in order to draw his or her own conclusions concerning the pertinence of the references to the claimed subject matter of this application. The filing of this Information Disclosure Statement should not be construed to suggest that a patentability search has been made or that the cited references are prior art or are considered to be material to patentability.

Applicants respectfully request consideration of the foregoing documents during examination of the above-identified patent application. Applicants have enclosed a completed Information Disclosure Statement by Applicant and copies of the cited documents.

No fee is believed due. If any fee is deemed due, the Commissioner is authorized to charge Deposit Account 04-0258 of Davis Wright Tremaine LLP. A copy of this document is enclosed.

Respectfully submitted,

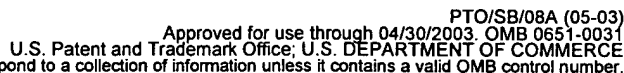
Davis Wright Tremaine LLP


Barry L. Davison, Ph.D., J.D.

Attorney for Applicants

Registration No. 47,309

Davis Wright Tremaine LLP
2600 Century Square
1501 Fourth Avenue
Seattle, WA 98101-1688
Telephone: (206) 628-7621
Facsimile: (206) 628-7699



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/624,727
Filing Date	July 21, 2003
First Named Inventor	Klaus Früh
Art Unit	1632
Examiner Name	
Attorney Docket Number	49321-89

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds and Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

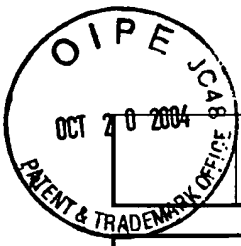
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.



PTO/SB/08B (05-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Substitute for form 1449/PTO		Complete if Known	
				Application Number	10/624,727
				Filing Date	July 21, 2003
				First Named Inventor	Früh
				Art Unit	1632
				Examiner Name	
Sheet	2	of	3	Attorney Docket Number	49321-89

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	O1	NICHOLAS et al., "A Single 13-Kilobase Divergent Locus in the Kaposi Sarcoma-Associated Herpesvirus (Human Herpesvirus 8) Genome Contains Nine Open Reading Frames That Are Homologous to or Related to Cellular Proteins," J. Virol. 71(3):1963-1974, 1997		
	O2	COSCOY and GANEM, "Kaposi's Sarcoma-Associated Herpesvirus Encodes Two Proteins That Block Cell Surface Display of MHC Class I Chains by Enhancing Their Endocytosis," Proc. Natl. Acad. Sci. 97(14):8051-8056, 2000		
	O3	ISHIDO et al., "Downregulation of Major Histocompatibility Complex Class I Molecules by Kaposi's Sarcoma-Associated Herpesvirus K3 and K5 Proteins," J. Virol. 74(11):5300-5309, 2000		
	O4	COSCOY et al., "A novel class of herpesvirus-encoded membrane-bound E3 ubiquitin ligases regulates endocytosis of proteins involved in immune recognition," J. Cell Biol. 155(7):1265-1273, 2001		
	O5	BONAME and STEVENSON, "MHC Class I Ubiquitination by a Viral PHD/LAP Finger Protein," Immunity 15:627-636, 2001		
	O6	COSCOY and GANEM, "A viral protein that selectively downregulates ICAM-1 and B7-2 and modulates T cell costimulation," J. Clin. Invest. 107(12):1599-1606, 2001		
	O7	GUERIN et al., "Myxoma Virus Leukemia-Associated Protein Is Responsible for Major Histocompatibility Complex Class I and Fas-CD95 Down-Regulation and Defines Scrapins, a New Group of Surface Cellular Receptor Abductor Proteins," J. Virol. 76(6):2912-1923, 2002		
	O8	FRÜH et al., "Immune evasion by a novel family of viral PHD/LAP-finger proteins of gamma-2 herpesviruses and poxviruses," Virus Research 88:55-69, 2002		
	O9	MCFADDEN and MURPHY, "Host-related immunomodulators encoded by poxviruses and herpesviruses," Curr. Opin Microbiol. 3:371-378, 2000		



--	--	--

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.